

**IN THE CLAIMS:**

Please cancel claims 10-14 without prejudice, resulting in the following listing of the claims. This listing replaces and supersedes all prior claim listings.

1. (Original) A MEMS device including a rotor including an aperture, a shaft extending through the aperture, and a stator attached to the shaft, the device including one or more grooves located to form at least one air bearing between the rotor and at least one of the stator and the shaft upon rotation of the rotor around the shaft.

2. (Original) A device according to claim 1 in which at least some of the grooves are formed on the rotor surrounding the aperture, to generate a positive pressure between the rotor and the stator to urge the rotor and the stator apart.

3. (Previously Presented) A device according to claim 1 in which the grooves generate an air flow in the gap between the rotor and the shaft, an air bearing being formed in this gap.

4. (Original) A device according to claim 3 in which the gap between the rotor and the shaft includes at least three circumferentially spaced constrictions, whereby air bearings are generated at the constrictions upon rotation of the rotor and urge a central axis of the rotor towards a rotational axis of the shaft.

5. (Previously Presented) A device according to claim 3 in which the shaft includes a frustoconical section opposing a frustoconical surface of the rotor, an air bearing being formed between the surfaces upon rotation of the rotor.

6. (Original) A device according to claim 5 in which the frustoconical surface of the shaft is formed on a wide portion of the shaft located within a chamber included in the substrate.

7. (Original) A device according to claim 6 in which the rotor includes two joined substrates defining the chamber between them.

8. (Original) A device according to claim 7 in which the two substrates are joined sandwiching a metal layer.

9. (Previously Presented) A device according to claim 1 in which the rotor includes recesses facing the stator and including yoke material and magnetic material, the stator having a surface including conductive loops.

10-14. (Canceled)

15. (Previously Presented) A device according to claim 1 which is used in a gyroscope, a HDD motor, a DVD motor, a zoom lens motor, a pump, or a fan.